

Work Order ID 111201

January-09-14 12:47:35 PM

111201

Rev E 5/14/01/24

~~PRELIMINARY ISSUE~~

Page 1

Item ID: D4635-142

Accept

N9000040100

Setup Start

NS1

Revision ID:

Item Name: Fwd Ceiling Replacement Panel Assembly, RH

Stop

NS2

Start Date: 09/01/2014 Start Qty: 1.00

1

Cust Item ID:

Required Date: 24/01/2014 Req'd Qty: 1.00

1

Customer:

Reference:

Approvals:

Process Plan: MP

Date: 14-01-09

Tooling:

Date:

Run

Start

NR1

QC:

Date:

SPC (Y/N):

Date:

Stop

NR2

Sequence ID/
Work Center ID

Operation
Description

DAS
27
9-89

Set Up/
Run Hours

Tool ID

Tool #

Plan
Code

Accept
Qty

Reject
Qty

Reject
Number

Insp.
Stamp

Draw Nbr

Revision Nbr

D4635

PD2 Rev E

per EN 14-509

0.00

100

100

HandThermo

Memo

0.00

Hand Finishing Thermoforming

Pick Kit

① SAD 14/01/20

110

0.00

110

Small Fab

Memo

0.00

Small Fab

Assemble as per Dwg D4635-142

Scotch weld 1300L Bm127806

① SAD 14/01/20

1- Locate and glue down Channel Assy, angles, brackets, and mounting pads using 3M Plastic welder II.

Batch # m127913

Expiry Date 7/10/2014

2- Apply labels as per Dwg. and seal with 3M 3950 edge sealer => m124725

Work Order ID 111201

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111201

Page 2

Item ID: D4635-142 Accept *N900040100* Setup Start *NS1*
 Revision ID: Stop *NS2*
 Item Name: Fwd Ceiling Replacement Panel Assembly, RH
 Start Date: 09/01/2014 Start Qty: 1.00 *1* Cust Item ID:
 Required Date: 24/01/2014 Req'd Qty: 1.00 *1* Customer:
 Reference:

Approvals: Process Plan: _____ Date: _____ Tooling: _____ Date: _____ Run Start *NR1*
 QC: _____ Date: _____ SPC (Y/N): _____ Date: _____ Stop *NR2*

Sequence ID/ Work Center ID	Operation Description	Set Up/ Run Hours	Tool ID	Tool #	Plan Code	Accept Qty	Reject Qty	Reject Number	Insp. Stamp
120 *120* QC Quality Control	QC6- Inspect dimensions to drawing Memo	0.00 27 9-89 14/1/20				1			
130 *130* Packaging Packaging	Identify as per dwg & Stock Location: _____ Memo	0.00 0.00							
140 *140* QC Quality Control	QC21- Final Inspection - Work Order Release Memo	0.00 0.00							

Thermoforming

Inspect as per
Dwg ~~140116~~ PEI

MC5

MC5 14-01-23
 POSITIVE RECALL
 EFFECTIVE 14/01/16 AUTH MC
 RELEASED 5 DATE 14/01/17 DAS
 Release Dwg per E
 27
 9-89
 14/1/23

Picklist Print

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Page 1

Work Order ID: 111201

111201

Parent Item: D4635-142

D4635-142

Parent Item Name: Fwd Ceiling Replacement Panel Assembly, RH

Start Date: 09/01/2014

Required Date: 24/01/2014

Start Qty: 1.00

Required Qty: 1.00

Comments: Ipp Rev A New Issue 13/02/04 DL
 Dwg. Update 12/11/08 DL
 13/07/09 DL verf:DD
 13/12/23 DL

IPP Rev B
 IPP Rev. C Dwg Update
 IPP Rev D Dwg Update Add Foam

Component Item ID/ Item Name	Replacement Item ID	Mfg/ Purch	Bin Item	Primary Location	Last Location	Route Seq ID	Unit of Measure	Qty on Hand	Qty per Kit	Total Qty	Qty Issued	Date Issued	Status
D4635-2		Manufactured	No			100	Each	0.0000	1	1			
D4635-2													
Fwd Ceiling Panel, RH													
D4669-1		Manufactured	No			100	Each	8.0000	2	2			
D4669-1													
Bracket													
					<u>Location</u>			<u>Loc Qty</u>		<u>Loc Code</u>			
					ST118			8					
					104803			8					
D4695-042		Manufactured	No			100	Each	2.0000	1	1			
D4695-042													
Channel Assembly, RH													
					<u>Location</u>			<u>Loc Qty</u>		<u>Loc Code</u>			
					ST229B			2					
					104805			2					
D4732-3		Manufactured	No			100	Each	6.0000	1	1			
D4732-3													
Label													
					<u>Location</u>			<u>Loc Qty</u>		<u>Loc Code</u>			
					ST122			6					
					93170			6					

B110395

**

SAD

14/01/17

~~B111303~~

**

SAD

14/01/17

2

**

SAD

14/01/17

1

**

SAD

14/01/17

1

DQA: _____ Date: _____



WORK ORDER NON-CONFORMANCE / UPDATE

QA Closed: _____ Date: _____

Work Order update only ☐

Work Order: _____ Part No. _____ NCR No. _____	DISPOSITION Rework <input type="checkbox"/> Scrap <input type="checkbox"/> Use-as-is <input type="checkbox"/> Suspected Unapproved <input type="checkbox"/>	AGAINST DEPARTMENT/PROCESS <table style="width: 100%;"> <tr> <td>Skid-tube <input type="checkbox"/></td> <td>Crosstube <input type="checkbox"/></td> <td>Water Jet <input type="checkbox"/></td> <td>Engineering <input type="checkbox"/></td> </tr> <tr> <td>Machining <input type="checkbox"/></td> <td>Small Fab <input type="checkbox"/></td> <td>Prod. Eng. Coord. <input type="checkbox"/></td> <td>Quality <input type="checkbox"/></td> </tr> <tr> <td>Thermoforming <input type="checkbox"/></td> <td>Finishing <input type="checkbox"/></td> <td>Rec/Store/Packaging <input type="checkbox"/></td> <td>Other <input type="checkbox"/></td> </tr> <tr> <td>Large Fab <input type="checkbox"/></td> <td>Composite <input type="checkbox"/></td> <td>Supplier <input type="checkbox"/></td> <td></td> </tr> </table>	Skid-tube <input type="checkbox"/>	Crosstube <input type="checkbox"/>	Water Jet <input type="checkbox"/>	Engineering <input type="checkbox"/>	Machining <input type="checkbox"/>	Small Fab <input type="checkbox"/>	Prod. Eng. Coord. <input type="checkbox"/>	Quality <input type="checkbox"/>	Thermoforming <input type="checkbox"/>	Finishing <input type="checkbox"/>	Rec/Store/Packaging <input type="checkbox"/>	Other <input type="checkbox"/>	Large Fab <input type="checkbox"/>	Composite <input type="checkbox"/>	Supplier <input type="checkbox"/>	
Skid-tube <input type="checkbox"/>	Crosstube <input type="checkbox"/>	Water Jet <input type="checkbox"/>	Engineering <input type="checkbox"/>															
Machining <input type="checkbox"/>	Small Fab <input type="checkbox"/>	Prod. Eng. Coord. <input type="checkbox"/>	Quality <input type="checkbox"/>															
Thermoforming <input type="checkbox"/>	Finishing <input type="checkbox"/>	Rec/Store/Packaging <input type="checkbox"/>	Other <input type="checkbox"/>															
Large Fab <input type="checkbox"/>	Composite <input type="checkbox"/>	Supplier <input type="checkbox"/>																

Root Cause	Date	Step	Qty	Description of work order update or non-conformance	Initial Chief Eng	Action Description	Sign & Date	Verification	QC Inspector
Design									
Doc/Data									
Equip/Tooling									
Handling/Pre									
Material									
Operator									
Offset/Setup									
Process									
Supplier									
Training									
Transport									
Unapproved									

FAULT CATEGORY

Landing Gear <input type="checkbox"/> Bending <input type="checkbox"/> Centre Not Concentric <input type="checkbox"/> Cracks <input type="checkbox"/> Crimp/Kink/Ripple/Wave <input type="checkbox"/> Cuffs <input type="checkbox"/> Crushing <input type="checkbox"/> Heat Treat <input type="checkbox"/> Inspection Strip in Tube <input type="checkbox"/> Marks/Chatter <input type="checkbox"/> Turning Sequence <input type="checkbox"/> Wave/Twist in Tube	General <input type="checkbox"/> Bend <input type="checkbox"/> BOM/Route <input type="checkbox"/> Broken/Damage/Defect <input type="checkbox"/> Burrs <input type="checkbox"/> Contamination <input type="checkbox"/> Countersink <input type="checkbox"/> Cut Too Short <input type="checkbox"/> Drawing <input type="checkbox"/> Drill Holes <input type="checkbox"/> Finish <input type="checkbox"/> Fit/Function	<input type="checkbox"/> Folio/Program <input type="checkbox"/> Grain <input type="checkbox"/> Hardware <input type="checkbox"/> Inspection Incomplete/Unqualified <input type="checkbox"/> Instructions Incomplete/Unclear <input type="checkbox"/> Misaligned/off center <input type="checkbox"/> Mislabeled <input type="checkbox"/> Misread <input type="checkbox"/> Off-set <input type="checkbox"/> Out of Calibration <input type="checkbox"/> Out of Sequence	<input type="checkbox"/> Outside Dimensions <input type="checkbox"/> Over/Under tolerance <input type="checkbox"/> Part Incorrect <input type="checkbox"/> Part Lost/Missing <input type="checkbox"/> Part Moved <input type="checkbox"/> Positioned Wrong <input type="checkbox"/> Power Loss/Surge <input type="checkbox"/> Pressure/Forced <input type="checkbox"/> Set-up <input type="checkbox"/> Temperature/Cure <input type="checkbox"/> Weld <input type="checkbox"/> Wrong Stock Pulled <input type="checkbox"/> Other
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Picklist Print

January-09-14 12:47:41 PM

Page 2

Work Order ID: 111201

111201

Parent Item: D4635-142

D4635-142

Parent Item Name: Fwd Ceiling Replacement Panel Assembly, RH

Start Date: 09/01/2014

Required Date: 24/01/2014

Start Qty: 1.00

Required Qty: 1.00

D4732-31 Manufactured No

100 Each 6.0000 1 1

D4732-31

Label

**

SAD

14/01/17

Location

Loc Qty

Loc Code

ST122

6

93163

6

D4732-35 Manufactured No

100 Each 6.0000 1

D4732-35

Label

**

SAD

14/01/17

Location

Loc Qty

Loc Code

ST122

6

93259

6

D4732-7 Manufactured No

100 Each 6.0000 1

D4732-7

Label

**

SAD

14/01/17

Location

Loc Qty

Loc Code

ST122

6

93156

6

D5022-1 Manufactured No

100 Each 0.0000 16

D5022-1

Foam, Side Panel, Fwd

**

SAD

14/01/17

B111353A1

B111262

17

DQA: _____ Date: _____



WORK ORDER NON-CONFORMANCE / UPDATE

QA Closed: _____ Date: _____

Work Order update only ☐

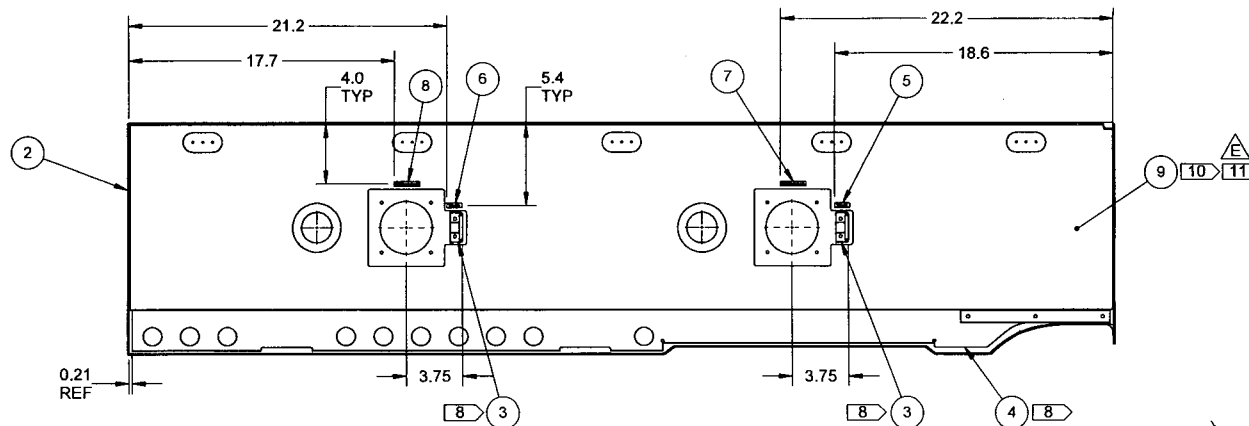
Work Order: _____ Part No. _____ NCR No. _____	DISPOSITION Rework <input type="checkbox"/> Scrap <input type="checkbox"/> Use-as-is <input type="checkbox"/> Suspected Unapproved <input type="checkbox"/>	AGAINST DEPARTMENT/PROCESS <table style="width: 100%;"> <tr> <td>Skid-tube <input type="checkbox"/></td> <td>Crosstube <input type="checkbox"/></td> <td>Water Jet <input type="checkbox"/></td> <td>Engineering <input type="checkbox"/></td> </tr> <tr> <td>Machining <input type="checkbox"/></td> <td>Small Fab <input type="checkbox"/></td> <td>Prod. Eng. Coord. <input type="checkbox"/></td> <td>Quality <input type="checkbox"/></td> </tr> <tr> <td>Thermoforming <input type="checkbox"/></td> <td>Finishing <input type="checkbox"/></td> <td>Rec/Store/Packaging <input type="checkbox"/></td> <td>Other <input type="checkbox"/></td> </tr> <tr> <td>Large Fab <input type="checkbox"/></td> <td>Composite <input type="checkbox"/></td> <td>Supplier <input type="checkbox"/></td> <td></td> </tr> </table>	Skid-tube <input type="checkbox"/>	Crosstube <input type="checkbox"/>	Water Jet <input type="checkbox"/>	Engineering <input type="checkbox"/>	Machining <input type="checkbox"/>	Small Fab <input type="checkbox"/>	Prod. Eng. Coord. <input type="checkbox"/>	Quality <input type="checkbox"/>	Thermoforming <input type="checkbox"/>	Finishing <input type="checkbox"/>	Rec/Store/Packaging <input type="checkbox"/>	Other <input type="checkbox"/>	Large Fab <input type="checkbox"/>	Composite <input type="checkbox"/>	Supplier <input type="checkbox"/>	
Skid-tube <input type="checkbox"/>	Crosstube <input type="checkbox"/>	Water Jet <input type="checkbox"/>	Engineering <input type="checkbox"/>															
Machining <input type="checkbox"/>	Small Fab <input type="checkbox"/>	Prod. Eng. Coord. <input type="checkbox"/>	Quality <input type="checkbox"/>															
Thermoforming <input type="checkbox"/>	Finishing <input type="checkbox"/>	Rec/Store/Packaging <input type="checkbox"/>	Other <input type="checkbox"/>															
Large Fab <input type="checkbox"/>	Composite <input type="checkbox"/>	Supplier <input type="checkbox"/>																

Root Cause	Date	Step	Qty	Description of work order update or non-conformance	Initial Chief Eng	Action Description	Sign & Date	Verification	QC Inspector
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Doc/Data									
Equip/Tooling									
Handling/Pre									
Material									
Operator									
Offset/Setup									
Process									
Supplier									
Training									
Transport									
Unapproved									

FAULT CATEGORY

Landing Gear <input type="checkbox"/> Bending <input type="checkbox"/> Centre Not Concentric <input type="checkbox"/> Cracks <input type="checkbox"/> Crimp/Kink/Ripple/Wave <input type="checkbox"/> Cuffs <input type="checkbox"/> Crushing <input type="checkbox"/> Heat Treat <input type="checkbox"/> Inspection Strip in Tube <input type="checkbox"/> Marks/Chatter <input type="checkbox"/> Turning Sequence <input type="checkbox"/> Wave/Twist in Tube	General <input type="checkbox"/> Bend <input type="checkbox"/> BOM/Route <input type="checkbox"/> Broken/Damage/Defect <input type="checkbox"/> Burrs <input type="checkbox"/> Contamination <input type="checkbox"/> Countersink <input type="checkbox"/> Cut Too Short <input type="checkbox"/> Drawing <input type="checkbox"/> Drill Holes <input type="checkbox"/> Finish <input type="checkbox"/> Fit/Function	<input type="checkbox"/> Folio/Program <input type="checkbox"/> Grain <input type="checkbox"/> Hardware <input type="checkbox"/> Inspection Incomplete/Unqualified <input type="checkbox"/> Instructions Incomplete/Unclear <input type="checkbox"/> Misaligned/off center <input type="checkbox"/> Mislabeled <input type="checkbox"/> Misread <input type="checkbox"/> Off-set <input type="checkbox"/> Out of Calibration <input type="checkbox"/> Out of Sequence	<input type="checkbox"/> Outside Dimensions <input type="checkbox"/> Over/Under tolerance <input type="checkbox"/> Part Incorrect <input type="checkbox"/> Part Lost/Missing <input type="checkbox"/> Part Moved <input type="checkbox"/> Positioned Wrong <input type="checkbox"/> Power Loss/Surge <input type="checkbox"/> Pressure/Forced <input type="checkbox"/> Set-up <input type="checkbox"/> Temperature/Cure <input type="checkbox"/> Weld <input type="checkbox"/> Wrong Stock Pulled <input type="checkbox"/> Other
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ITEM NO.	QTY. -142	PART NUMBER	DESCRIPTION
1	X	D4635-142	RH, FWD CEILING REPLACEMENT PANEL ASSY
2	1	D4635-2	RH, FWD CEILING PANEL
3	2	D4669-1	BRACKET
4	1	D4695-042	RH CHANNEL ASSEMBLY
5	1	D4732-3	LABEL
6	1	D4732-7	LABEL
7	1	D4732-31	LABEL
8	1	D4732-35	LABEL
9	1	D5022-1	FOAM, SIDE PANEL, FWD

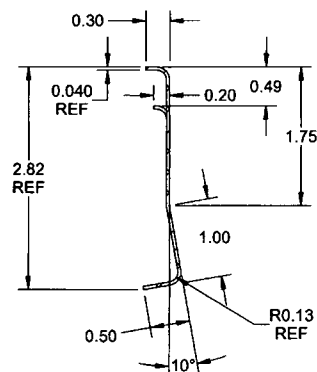
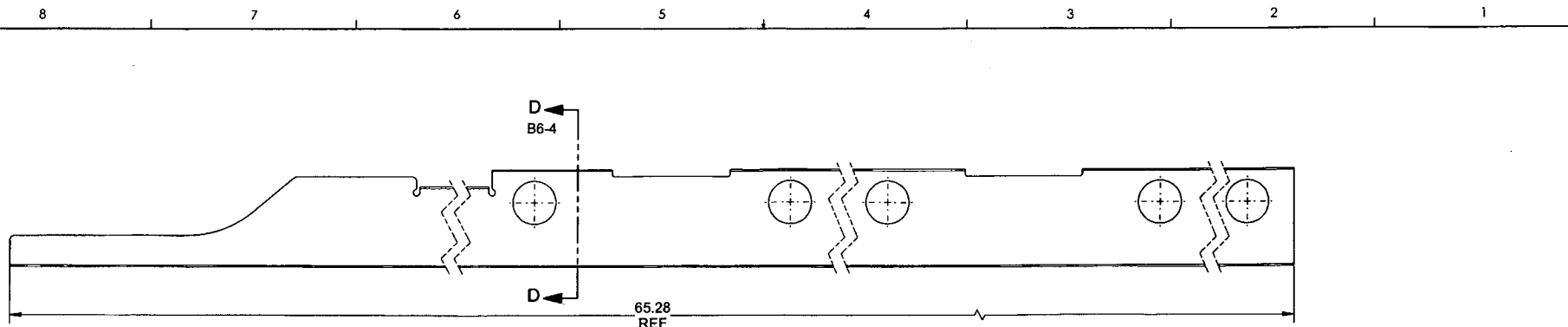


D4635-142 RH, FWD CEILING REPLACEMENT PANEL ASSY

NOTES:

- 1) MATERIAL: N/A
- 2) FINISH: N/A
- 3) TOLERANCES: PER DART QSI 018 UNLESS OTHERWISE NOTED
- 4) UNITS: INCHES UNLESS OTHERWISE NOTED
- 5) BREAK SHARP EDGES: 0.005 TO 0.010 MAX
- 6) IDENTIFICATION: N/A
- 7) WEIGHT: 5.46 lbs
- 8) APPLY A BEAD (0.20 TO 0.30 WIDE) OF DEVCON PLASTIC WELDER II (0.25 INSIDE OF BOTH EDGES OF PART) TO BOND D4669-1 & D4695-042. WAIT FOR 2 TO 4 HOURS FOR FUNCTIONAL CURE
- 9) LOCATE LABELS AS SHOWN. SEAL LABELS USING 3950 EDGE SEALER OVER LABEL TOP SURFACE
- 10) APPLY AN EVEN COAT OF 3M SCOTCH WELD 1300L CONTACT ADHESIVE TO D5022-1 FOAM CORE TO INSIDE OF PANEL
- 11) CENTER D5022-1 FOAM ON D4635-2

DESIGN	RF	DART AEROSPACE LTD HAWKESBURY, ONTARIO, CANADA	
DRAWN	RF		
CHECKED	JC	DRAWING NO.	REV. PE1
MFG. APPR.		D4635	SHEET 10 OF 18
APPROVED		TITLE	SCALE
DE APPR.		OUTBOARD CEILING PANELS	NTS
DATE	14.01.09	COPYRIGHT © 2012 BY DART AEROSPACE LTD THIS DOCUMENT IS PRIVATE AND CONFIDENTIAL, AND IS SUPPLIED ON THE EXPRESS CONDITION THAT IT IS NOT TO BE USED FOR ANY PURPOSE OR COPIED OR COMMUNICATED TO ANY OTHER PERSON WITHOUT WRITTEN PERMISSION FROM DART AEROSPACE LTD.	



SECTION D-D D6-4

D4695-2 CHANNEL

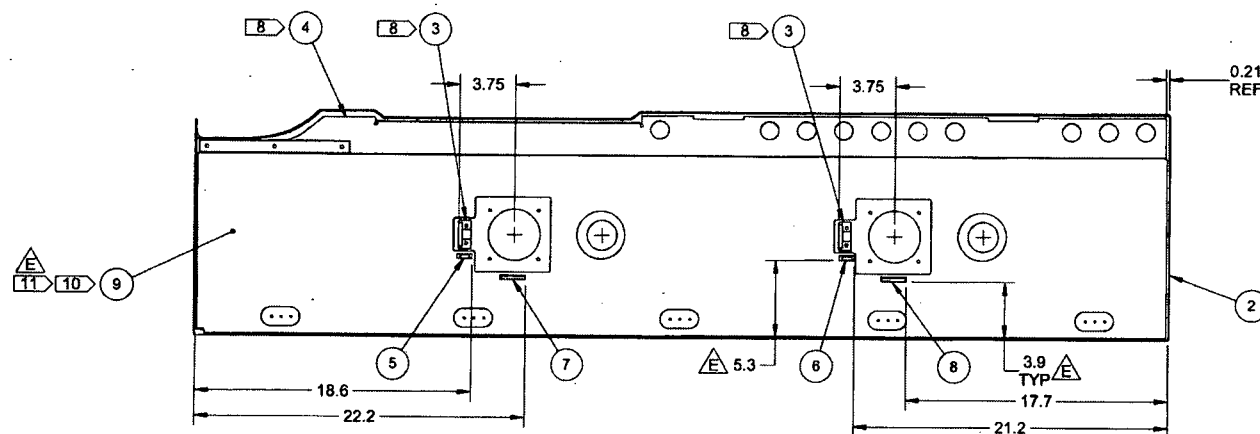
RELEASED
2013-04-02

NOTES:

- 1) MATERIAL: MAKE FROM D4695-2F FLAT PATTERN
- 2) FINISH: CHEMICAL CONVERSION COAT PER DART QSI 005 4.1
- 3) TOLERANCES: PER DART QSI 018 UNLESS OTHERWISE NOTED
- 4) UNITS: INCHES UNLESS OTHERWISE NOTED
- 5) BREAK SHARP EDGES: 0.005 TO 0.010 MAX
- 6) IDENTIFICATION: N/A
- 7) WEIGHT: 0.69 lbs

DESIGN	RF	DART AEROSPACE LTD HAWKESBURY, ONTARIO, CANADA	
DRAWN	RF		
CHECKED	<i>PL</i>	DRAWING NO.	REV. B
MFG. APPR.	<i>PL</i>	D4695	SHEET 4 OF 12
APPROVED	<i>PL</i>	TITLE	SCALE
DE APPR.	<i>PL</i>	CHANNEL ASSEMBLY	NTS
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ITEM NO.	QTY. -142	PART NUMBER	DESCRIPTION
1	X	D4635-142	RH, FWD CEILING REPLACEMENT PANEL ASSY
2	1	D4635-2	RH, FWD CEILING PANEL
3	2	D4669-1	BRACKET
4	1	D4695-042	RH CHANNEL ASSEMBLY
5	1	D4732-3	LABEL
6	1	D4732-7	LABEL
7	1	D4732-31	LABEL
8	1	D4732-35	LABEL
9	1	D5022-1	FOAM, SIDE PANEL, FWD



D4635-142 RH, FWD CEILING REPLACEMENT PANEL ASSY

NOTES:

- 1) MATERIAL: N/A
- 2) FINISH: N/A
- 3) TOLERANCES: PER DART QSI 018 UNLESS OTHERWISE NOTED
- 4) UNITS: INCHES UNLESS OTHERWISE NOTED
- 5) BREAK SHARP EDGES: 0.005 TO 0.010 MAX
- 6) IDENTIFICATION: N/A
- 7) WEIGHT: N/A
- 8) APPLY A BEAD (0.20 TO 0.30 WIDE) OF DEVCON PLASTIC WELDER II (0.25 INSIDE OF BOTH EDGES OF PART) TO BOND D4669-1 & D4695-042. WAIT FOR 2 TO 4 HOURS FOR FUNCTIONAL CURE
- 9) LOCATE LABELS AS SHOWN, SEAL LABELS USING 3950 EDGE SEALER OVER LABEL TOP SURFACE
- 10) APPLY AN EVEN COAT OF 3M SCOTCH WELD 1300L CONTACT ADHESIVE TO BOND D5022-1 FOAM CORE TO INSIDE OF PANEL
- 11) CENTER D5022-1 FOAM ON D4635-2

DESIGN	RF	DART AEROSPACE LTD HAWKESBURY, ONTARIO, CANADA	
DRAWN	RF		
CHECKED	PC	DRAWING NO.	REV. E
MFG. APPR.	PC	D4635	SHEET 10 OF 18
APPROVED	PC	TITLE	SCALE
DE APPR.	PC	OUTBOARD CEILING PANELS	NTS
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